

WHAT IS CLAIMED IS:

1. An electronic camera having an image data memory for storing image data and operable in a communication mode for transmitting the image data from the image data memory to a different, receiver side camera, the electronic camera comprising:

a controller that, prior to image data transmission, receives remaining capacity data relating to a remaining capacity of an image data memory of a receiver side camera and displays information corresponding to the remaining capacity.

2. The camera of claim 1, wherein the controller prohibits selection of excessive image data for transmission to the receiver side camera when the selection of the image data exceeds the remaining capacity.

3. The camera of claim 1, wherein the controller displays information corresponding to the remaining capacity for a plurality of different types of image data having different sizes.

4. The camera of claim 1, wherein the information displayed by the controller includes a number of image files that can be transmitted without exceeding the remaining capacity.

5. The camera of claim 4, wherein each image file corresponds to one still image.

6. The camera of claim 1, wherein the camera includes a display, and the controller displays the information on the display.

7. The camera of claim 1, wherein the communication mode is operable to permit the image data to be transmitted from the image data memory to at least one of a plurality of the receiver side cameras, and the controller, prior to image data transmission, receives remaining capacity data relating to the remaining capacity of the image data memory for each of a plurality of the receiver side cameras and displays information corresponding to the remaining capacity of each of the plurality of cameras.

8. The camera of claim 7, wherein the controller enables the selection of at least one of the plurality of receiver side cameras from the plurality of receiver side cameras in response to an input command.

9. The camera of claim 8, wherein the controller determines an amount of the image data that can be transmitted based on the selected ones of the receiver side

cameras, and prohibits selection of an amount of image data for transmission when the selected amount exceeds a remaining capacity of a selected receiver side camera having a lowest remaining capacity.

5 10. The camera of claim 8, wherein the controller prohibits the selection of a receiver side camera having a remaining capacity that is zero.

 11. The camera of claim 8, wherein the controller sends a command for activating a display of the at least one receiver side camera selected to receive the transmission.

10 12. The camera of claim 7, wherein the information displayed by the controller includes a number of image files that can be transmitted without exceeding the remaining capacity.

 13. The camera of claim 12, wherein each image file corresponds to one still image.

15 14. An electronic camera having an image data memory for storing image data and operable in a communication mode for transmitting the image data from the image data memory to at least one different, receiver side camera, the electronic camera comprising:

 a controller that, prior to image data transmission, receives remaining capacity data relating to a remaining capacity of an image data memory for each of a plurality of receiver side cameras and selects a receiver side camera having a largest remaining capacity from among the plurality of receiver side cameras.

25 15. An electronic camera having an image data memory for storing image data and operable in a communication mode for transferring the image data from the image data memory to at least one different, receiver side camera, the electronic camera comprising:

 a controller that, prior to image data transmission, receives remaining capacity data relating to a remaining capacity of an image data memory for each of a plurality of receiver side cameras, selects the image data to be transmitted in response to an input operation, and prohibits selection of image data for transmission that would exceed a remaining capacity of a receiver side camera having a lowest remaining capacity.

30 16. An electronic camera having an image data memory for storing image data and operable in a communication mode for transferring the image data from the

image data memory to at least one different, receiver side camera, the electronic camera comprising:

a controller that, prior to image data transmission, receives remaining capacity data relating to a remaining capacity of an image data memory for each of a plurality of receiver side cameras, selects image data to be transmitted in response to an input operation, selects at least one of the receiver side cameras among said plurality of receiver side cameras in response to an input operation to receive the transmitted image data, and prohibits selection of a receiver side camera having a remaining capacity that is smaller than the image data selected for transmission.

10 17. An electronic camera having an image data memory for storing image data and operable in a communication mode for transferring the image data from the image data memory to at least one different, receiver side camera, comprising:

a controller that, prior to data transmission, receives remaining capacity data relating to a remaining capacity of an image data memory for each of a plurality of receiver side cameras, selects a receiver side camera from among the plurality of receiver side cameras in response to an input operation, selects image data to be transmitted in response to an input operation, and prohibits selection of image data for transmission when the selected image data causes the selected amount of image data to exceed a remaining capacity of the selected receiver side camera.

20 18. The camera of claim 17, wherein the controller alternately permits the selection of the image data for transmission and the selection of the receiver side camera.

25 19. A method of controlling transmission of image data from an image data memory of an electronic camera to a different, receiver side camera, the method comprising:

the electronic camera receiving remaining capacity data relating to a remaining capacity of an image data memory of a receiver side camera; and

displaying information corresponding to the remaining capacity.

30 20. The method of claim 19, further comprising prohibiting selection of excessive image data for transmission to the receiver side camera when the selection of the image data exceeds the remaining capacity of the receiver side camera.

21. The method of claim 19, wherein the displaying step includes displaying information corresponding to the remaining capacity for a plurality of different types of image data having different sizes.

22. The method of claim 19, wherein the information displayed in the displaying step includes a number of image files that can be transmitted without exceeding the remaining capacity.

23. The method of claim 22, wherein each image file corresponds to one still image.

24. The method of claim 19, wherein the displaying step displays the information on a display of the camera.

25. The method of claim 19, wherein the camera is capable of transmitting the image data to at least one of a plurality of the receiver side cameras, and further comprising the steps of:

receiving remaining capacity data relating to the remaining capacity of the image data memory for each of the plurality of the receiver side cameras; and displaying the information corresponding to the remaining capacity of each of the plurality of cameras.

26. The method of claim 25, further comprising the step of: selecting at least one of the plurality of receiver side cameras from the plurality of receiver side cameras in response to an input command.

27. The method of claim 26, further comprising the steps of: determining an amount of the image data that can be transmitted based on the selected ones of the receiver side cameras; and prohibiting selection of an amount of image data for transmission when the selected amount exceeds a remaining capacity of a selected receiver side camera having a lowest remaining capacity.

28. The method of claim 19, wherein the camera is capable of transmitting the image data to at least one of a plurality of the receiver side cameras, and further comprising the steps of:

receiving remaining capacity data relating to the remaining capacity of the image data memory for each of the plurality of the receiver side cameras; and selecting a receiver side camera having a largest remaining capacity from among the plurality of receiver side cameras.

29. The method of claim 19, wherein the camera is capable of transmitting the image data to at least one of a plurality of the receiver side cameras, and further comprising the steps of:

receiving remaining capacity data relating to the remaining capacity of
5 the image data memory for each of the plurality of the receiver side cameras;

selecting the image data to be transmitted in response to an input
operation; and

prohibiting selection of image data for transmission that would exceed
a remaining capacity of a receiver side camera having a lowest remaining capacity.

10 30. The method of claim 19, wherein the camera is capable of transmitting the image data to at least one of a plurality of the receiver side cameras, and further comprising the steps of:

receiving remaining capacity data relating to the remaining capacity of
the image data memory for each of the plurality of the receiver side cameras;

15 selecting image data to be transmitted in response to an input
operation;

selecting at least one of the receiver side cameras among said plurality
of receiver side cameras in response to an input operation to receive the transmitted
image data; and

20 prohibiting selection of a receiver side camera having a remaining
capacity that is smaller than the image data selected for transmission.

31. The method of claim 19, wherein the camera is capable of transmitting the image data to at least one of a plurality of the receiver side cameras, and further comprising the steps of:

25 receiving remaining capacity data relating to the remaining capacity of
the image data memory for each of the plurality of the receiver side cameras;

selecting a receiver side camera from among the plurality of receiver
side cameras in response to an input operation;

30 selecting image data to be transmitted in response to an input
operation; and

prohibiting selection of image data for transmission when the selected
image data causes the selected amount of image data to exceed a remaining capacity
of the selected receiver side camera.